

SEQUENCE LISTING

<110> Cohen, David I.
 <120> Tat-based Vaccine Compositions and Methods of Making and Using Same
 <130> 51311-00008
 <150> 60/553,733
 <151> 2004-03-16
 <150> 10/456865
 <151> 2003-06-06
 <150> 09/636057
 <151> 2000-08-08
 <160> 11
 <170> PatentIn version 3.2
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 <211> 101
 <212> PRT
 <213> Human immunodeficiency virus type 1
 <400> 1

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 Gln Pro Lys Thr Ala Cys Thr Thr Cys Tyr Cys Lys Lys Cys Cys Phe
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 His Cys Gln Val Cys Phe Thr Lys Lys Ala Leu Gly Ile Ser Tyr Gly
 35 40 45
 Arg Lys Lys Arg Arg Gln Arg Arg Arg Ala Pro Glu Asp Ser Gln Thr
 50 55 60
 His Gln Val Ser Pro Pro Lys Gln Pro Ala Pro Gln Phe Arg Gly Asp
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 85 90 95
 Thr His Pro Val Asp
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 aaggccttgg gcatcagcta cggccgcaag aagcgccggc agcgccgccg ggcccctgag 180

gacagccaga cccaccaggt gagccctccc aagcagcccg ctccacagtt ccgcgGcgac 240
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 gac 303

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Lys

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Gln Pro Lys Val Pro
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<212> DNA

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<212> DNA

<213> Simian immunodeficiency virus

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<213> Artificial

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<223> Modified immunostimulatory Tat

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Met Glu Pro Ser Asn Glu Arg Ser Ser Cys Glu Leu Glu Val Pro Lys
 1 5 10 15

Thr Ala Cys Thr Thr Cys Tyr Cys Lys Lys Cys Cys Phe His Cys Gln
 20 25 30

Val Cys Phe Thr Lys Lys Ala Leu Gly Ile Ser Tyr Gly Arg Lys Lys
 35 40 45

Arg Arg Gln Arg Arg Arg Ala Pro Glu Asp Ser Gln Thr His Gln Val
 50 55 60

Ser Pro Pro Lys Gln Pro Ala Pro Gln Phe Arg Gly Asp Pro Thr Gly
 65 70 75 80

Pro Lys Glu Ser Lys Lys Lys Val Glu Arg Glu Thr Glu Thr His Pro
 85 90 95

val Asp